INDEX TO VOLUME 104

New scientific names are in bold face.

Alien species 219–252, 350–372
Alix, Mitchell S. 373–395
Allozyme evidence for the hybrid origin of *Desmodium humifusum* (Fabaceae). 253–270
Allozymes 253–270
Aneura maxima (Hepaticae: Aneuraceae) in Maine, U.S.A. 77–82 (New England Note)
Aneura maxima, *A. pinguis* 77–82; morphology 78–81
Aneuraceae 77–82
ANNOUNCEMENTS:
Invasive Plant Survey of New England: A call for volunteers 106
Merritt Lyndon Fernald Award 218
NEBC Graduate Student Research Award 323
Apocynaceae 170–185, 186–200
Apocynoideae 170–185, 186–200
Aquatic plants 373–395
Aristida purpurea var. *curvifolia* 304–308
Asteraceae 1–13
Astragalus pulsiferae 271–279; var. *pulsiferae* 274; var. *suksdorfii* 274–275; var. ***coronensis***, var. nov. 276–278; key to varieties of 273–274

Backus, Richard H., Pamela T. Polloni, Brian L. Reid, Paul Somers, and Theodore O. Hendrickson. The flora of Penikese Island, Massachusetts: The fifth survey (1998–1999), with emphasis on the woody vegetation. 219–252
Baltzer, Jennifer L., Heather L. Hewlin, Edward G. Reekie, Philip D. Taylor, and J. Sherman Boates. The impact of flower harvesting on seedling recruitment in sea lavender (*Limonium carolinianum*, Plumbaginaceae). 280–295
Barrington, David S. 92–95
Bertin, Robert I. Losses of native plant species from Worcester, Massachusetts. 325–349
Bertin, Robert I., Karen B. Searcy, and Paul Somers. A new native plant for Massachusetts, *Carex backii* (Cyperaceae). 201–204 (New England Note)
Bidens beckii 373–395
Biodiversity 325–349
Biogeography 117–133
Biogeography of *Stewartia* (Camellioideae, Theaceae) inferred from nuclear ribosomal DNA ITS sequences. Phylogenetic relationships and, 117–133
Biological invasion 151–160
Boates, J. Sherman 280–295
Boltonia decurrens 1–13
BOOK REVIEWS:
Bioconservation and Systematics: Proceedings of the Canadian Botanical Association Conference Symposium in London, Ontario, June 2000. 212–214
Flora of New Brunswick, Second Edition: A Manual for Identification of the Vascular Plants of New Brunswick. 312–315
Lichens of North America. 96–99
Seventh Catalog of the Vascular Plants of Ohio. 208–211
Bowles, Marlin L., Karel A. Jacobs, Lawrence W. Zettler, and Tonya Wilson Delaney. Crossing effects on seed viability and experimental germination of the Federal Threatened *Platanthera leucophaea* (Orchidaceae). 14–30
Breeding system 14–30
Bromus diandrus 304–308

INDEX TO VOLUME 104

New scientific names are in bold face.

Alien species 219–252, 350–372
Alix, Mitchell S. 373–395
Allozyme evidence for the hybrid origin of *Desmodium humifusum* (Fabaceae). 253–270
Allozymes 253–270
Aneura maxima (Hepaticae: Aneuraceae) in Maine, U.S.A. 77–82 (New England Note)
Aneura maxima, *A. pinguis* 77–82; morphology 78–81
Aneuraceae 77–82
ANNOUNCEMENTS:
Invasive Plant Survey of New England: A call for volunteers 106
Merritt Lyndon Fernald Award 218
NEBC Graduate Student Research Award 323
Apocynaceae 170–185, 186–200
Apocynoideae 170–185, 186–200
Aquatic plants 373–395
Aristida purpurea var. *curvifolia* 304–308
Asteraceae 1–13
Astragalus pulsiferae 271–279; var. *pulsiferae* 274; var. *suksdorfii* 274–275; var. ***coronensis***, var. nov. 276–278; key to varieties of 273–274

Backus, Richard H., Pamela T. Polloni, Brian L. Reid, Paul Somers, and Theodore O. Hendrickson. The flora of Penikese Island, Massachusetts: The fifth survey (1998–1999), with emphasis on the woody vegetation. 219–252
Baltzer, Jennifer L., Heather L. Hewlin, Edward G. Reekie, Philip D. Taylor, and J. Sherman Boates. The impact of flower harvesting on seedling recruitment in sea lavender (*Limonium carolinianum*, Plumbaginaceae). 280–295
Barrington, David S. 92–95
Bertin, Robert I. Losses of native plant species from Worcester, Massachusetts. 325–349
Bertin, Robert I., Karen B. Searcy, and Paul Somers. A new native plant for Massachusetts, *Carex backii* (Cyperaceae). 201–204 (New England Note)
Bidens beckii 373–395
Biodiversity 325–349
Biogeography 117–133
Biogeography of *Stewartia* (Camellioideae, Theaceae) inferred from nuclear ribosomal DNA ITS sequences. Phylogenetic relationships and, 117–133
Biological invasion 151–160
Boates, J. Sherman 280–295
Boltonia decurrens 1–13
BOOK REVIEWS:
Bioconservation and Systematics: Proceedings of the Canadian Botanical Association Conference Symposium in London, Ontario, June 2000. 212–214
Flora of New Brunswick, Second Edition: A Manual for Identification of the Vascular Plants of New Brunswick. 312–315
Lichens of North America. 96–99
Seventh Catalog of the Vascular Plants of Ohio. 208–211
Bowles, Marlin L., Karel A. Jacobs, Lawrence W. Zettler, and Tonya Wilson Delaney. Crossing effects on seed viability and experimental germination of the Federal Threatened *Platanthera leucophaea* (Orchidaceae). 14–30
Breeding system 14–30
Bromus diandrus 304–308

Calamagrostis pringlei 304–308
California 271–279
Canada 83–85, 151–160
Carex backii 201–204
Castillo-Campos, Gonzalo 304–308
Cawly, John 1–13
Checklist for contributors to *Rhodora* 107–113
Chenopodium foggii 422–428
Chesapeake Bay 309–311
China 396–421
Clifton, Glenn 271–279
Conant, David S., Gerald J. Gastony, and David S. Barrington. Rolla Milton Tryon, Jr. 1916–2001: Scientist, Teacher, and Mentor. 92–95 (In Memoriam)
Connecticut 161–169
Conservation 14–30, 373–395
Cotoneaster divaricatus (Rosaceae) naturalized in Massachusetts. 302–303 (New England Note)
Cotoneaster divaricatus 302–303
Crossing effects on seed viability and experimental germination of the Federal Threatened *Platanthera leucophaea* (Orchidaceae). 14–30
Cuyahoga County, Ohio 350–372
Cyperaceae 83–85, 201–204, 205–207, 429–432
Cyperus hermaphroditus, deletion from the Louisiana flora 429–432; key to separation of *C. hermaphroditus*, *C. pilosus*, and *C. thyrsiflorus* 430

Dan,Yu, Wang Dong, Li Zhen-yu, and A. M. Funston. Taxonomic revision of the genus *Myriophyllum* (Haloragaceae) in China. 396–421
Del Tredici, Peter 117–133
Delaney, Tonya Wilson 14–30
Deletion of *Cyperus hermaphroditus* (Cyperaceae: *Tetragoni*) from the Louisiana flora. The, 429–432 (Note)
Desmodium humifusum, *D. paniculatum*, *D. rotundifolium* 253–270
Dimorphic seeds 1–13
Dong, Wang 396–421
Donoghue, Michael J. 117–133
Duckweeds 373–395

Effect of achene morphology and mass on germination and seedling growth of *Boltonia decurrens* (Asteraceae), a threatened floodplain species. 1–13
Endangered macrophytes 373–395
Endangered species: Massachusetts 201–204; Indiana 373–395
Erioneuron avenaceum var. *avenaceum* 304–308
Erysimum hieraciifolium, new record 299–301
European water-horehound 151–160
Exotic species 151–160

Fabaceae 253–270
Fernaldia 186–200; *F. asperglottis* 189–192; *F. pandurata* 192–196; *F. speciosissima* 196–198; key 189
Floodplain 1–13
Flora of Penikese Island, Massachusetts: The fifth survey (1998–1999), with emphasis on the woody vegetation. The, 219–252
Flora: Florida 42–76; Indiana 373–395; Ohio 350–372; Penikese Island 219–252; Worcester 325–349
Florida 42–76
Floristic inventory of Manatee Springs State Park, Levy County, Florida. A, 42–76
Floristic study 42–76
Flower harvesting 280–295
Freeze/thaw cycles 161–169
Funston, A. M. 396–421

Gastony, Gerald J. 92–95
Gentianales 186–200
Germination 1–13, 14–30
Gulledge, Kimberely J. and Walter S. Judd. A floristic inventory of Manatee Springs State Park, Levy County, Florida. 42–76

Habitat destruction 325–349
Haines, Arthur. Occurrence of *Scirpus georgianus* (Cyperaceae) in Maine. 205–207 (New England Note)
Haines, Arthur. A new combination in *Lycopodiella* (Lycopodiaceae). 296–298 (New England Note)
Haines, Arthur and Betsy W. Newcomer. New records for *Chenopodium foggii* in New England. 422–428 (New England Note)
Haloragaceae 396–421
Hartia 117–133; distribution map 118; phylogeny 124–128
Hay, Stuart G. and Gordon C. Tucker. *Scirpus ancistrochaetus* (Cyperaceae): First record in Canada. 83–85 (Note)
Helictotrichon pubescens, new record 299–301
Hendrickson,Theodore O. 219–252
Hepaticae 77–82
Hewlin, Heather L. 280–295
Hybridization, *Desmodium humifusum* 253–270
Hybrids 350–372

Identity and history of *Myrica caroliniensis* (Myricaceae). The. 31–41
Impact of flower harvesting on seedling recruitment in sea lavender (*Limonium carolinianum*, Plumbaginaceae). The. 280–295
IN MEMORIAM:
Rolla Milton Tryon, Jr. 1916–2001: Scientist, Teacher, and Mentor. 92–95
Indiana 373–395
Invasive species 151–160
ITS (Internal transcribed spacers) 117–133

Jacobs, Karel, A. 14–30
Judd, Walter, S. 42–76
Juniperus virginiana 219–252

Lachance, Daniel and Claude Lavoie. Reconstructing the biological invasion of European water-horehound, *Lycopus europaeus* (Labiatae), along the St. Lawrence River, Québec. 151–160
Laubertia 170–185; *L. boissieri* 176–178; *L. contorta* 178–181; *L. peninsularis* 181–183; key 175–176
Lavoie, Claude 151–160
Leguminosae 271–279
Lemna valdiviana 373–395
Levy County, Florida 42–76
Li, Jianhua, Peter Del Tredici, Shixiong Yang, and Michael J. Donoghue. Phylogenetic relationships and biogeography of *Stewartia* (Camellioideae, Theaceae) inferred from nuclear ribosomal DNA ITS sequences. 117–133
Limonium carolinianum 280–295
Local extinction 280–295
Losses of native plant species from Worcester, Massachusetts. 325–349
Louisiana 429–432
Lycopodiaceae 296–298
Lycopodiella* ×*robusta, comb. et stat nov. 296–298
Lycopus europaeus 151–160; distribution map along St. Lawrence River 154

Maine 77–82, 205–207, 422–428
Manatee Springs State Park, Florida 42–76; plant community map 48; checklist of vascular plants 60–76
Massachusetts 201–204, 219–252, 299–301, 302–303, 325–349, 422–428
McCombs, Martha R. 350–372
McDevit, Daniel C. and Craig W. Schneider. The survival of *Vaucheria* (Vaucheriaceae) propagules in New England riparian sediments after repeated freeze/thaw cycles. 161–169
Mejía-Saulés, Teresa, Gonzalo Castillo-Campos, and Sergio Avendaño Reyes. New reports of Poaceae

in the rocky substratum of Municipality of Perote, Veracruz, Mexico. 304–308 (Note)
Mexico 304–308
Miller, Norton G. *Aneura maxima* (Hepaticae: Aneuraceae) in Maine, U.S.A. 77–82 (New England Note)
Morales, J. Francisco. Studies in neotropical Apocynaceae I: A revision of the genus *Laubertia*. 170–185
Morales, J. Francisco. Studies in neotropical Apocynaceae II: A review of the genus *Fernaldia*. 186–200
Morella caroliniensis, *M. cerifera* 31–41
Morphology, *Aneura maxima* and *A. pinguis* 77–82
Muhlenbergia glabrata 304–308
Myrica caroliniensis, identity and history of 31–41
Myrica caroliniensis, *M. cerifera*, *M. heterophylla*, *M. pensylvanica* 31–41
Myricaceae 31–41
Myriophyllum in China 396–421; *M. alterniflorum* 399–400; *M. aquaticum* 400–401; *M. dicoccum* 401–403; *M. heterophyllum* 403–404; *M. oguraense* 404–405; *M. sibiricum* 405–407; *M. spicatum* 407–410; *M. tetrandrum* 410–411; *M. tuberculatum* 411–412; *M. ussuriense* 412–414; *M. verticillatum* 414–416; key to species of *Myriophyllum* in China 397–398; distribution maps 416–418
Myriophyllum pinnatum 373–395

Naiads 373–395
Najas gracillima 373–395
Native species 325–349, 350–372
Naturalized species, Massachusetts 302–303
NEBC Meeting News 101–105, 215–217, 317–322, 434–438
NEBC Membership Form 114
Neotropics 170–185, 186–200
New Books 100, 316, 433
New combination in *Lycopodiella* (Lycopodiaceae). A, 296–298 (New England Note)
New England 422–428, 253–270
New native plant for Massachusetts, *Carex backii* (Cyperaceae). A, 201–204 (New England Note)
New records: Canada 83–85; Indiana 373–395; Maine 77–82, 422–428; Massachusetts 201–204, 299–301, 422–428; Mexico 304–308; North Carolina 86–91; Ohio 350–372
New records for *Chenopodium foggii* in New England. 422–428 (New England Note)
New records of vascular plants for Ohio and Cuyahoga County, Ohio. 350–372
New records with ecological notes for rare aquatic vascular plants in Indiana. Part 1. 373–395
New reports of Poaceae in the rocky substratum of Municipality of Perote, Veracruz, Mexico. 304–308 (Note)
New variety 271–279
Newcomer, Betsy W. 422–428
North Carolina 86–91
Nova Scotia 280–295
Nuclear ribosomal DNA (nrDNA) 117–133

Occurrence of *Scirpus georgianus* (Cyperaceae) in Maine. 205–207 (New England Note)
Ohio 350–372
Ondricek, Robin 271–279
Orchidaceae 14–30
Orchids 14–30, 325–349
Order Form, Index to Volumes 76–100, 115, 324

Parker, Bruce C. 309–311
Penikese Island 219–252
Phylogenetic relationships and biogeography of *Stewartia* (Camellioideae, Theaceae) inferred from

nuclear ribosomal DNA ITS sequences. 117–133
Phylogeny 117–133
Platanthera leucophaea 14–30
Plumbaginaceae 280–295
Poaceae 304–308
Pollination 14–30
Polloni, Pamela T. 219–252
Pondweeds 373–395
Potamogeton 373–395; *P. bicupulatus* 385; *P. epihydrus* 386–387; *P. pulcher* 387–389; *P. vaseyi* 389–390
Prairie Peninsula 373–395
Prescribed burns 219–252
Propagules 161–169

Québec 83–85, 151–160
Quercus 134–150; *Q. virginiana* 136; *Q. phellos* 136–137; *Q. incana* 137–138; ***Q. elliottii***, sp. nov. 138–140; *Q. michauxii* 140–141; *Q. marilandica* 141–142; *Q. nigra* 142; *Q. falcata* 142–144; *Q. laevis* 144–145; *Q. alba* 145; *Q. lyrata* 145; *Q. sinuata* 145–147; *Q. stellata* 147

Rare and endangered macrophytes 373–395
Rare species: Indiana 373–395; Maine 205–207; New England 253–270; Penikese Island 219–252; *Platanthera leucophaea* 14–30
Raveill, Jay A. Allozyme evidence for the hybrid origin of *Desmodium humifusum* (Fabaceae). 253–270
Recent plant collections—Massachusetts. 299–301 (New England Note)
Reconstructing the biological invasion of European water-horehound, *Lycopus europaeus* (Labiatae), along the St. Lawrence River, Québec. 151–160
Recruitment in sea lavender 280–295
Red cedar 219–252
Reekie, Edward G. 280–295
Reid, Brian L. 219–252
Review of the genus *Fernaldia* 186–200
Reviewers of Manuscripts 439
Revision of the genus *Laubertia* 170–185
Revision of the genus *Myriophyllum* (Haloragaceae) in China 396–421
Reyes, Sergio Avendaño 304–308
Richard J. LeBlond and Alan S. Weakley. *Schizaea pusilla* in North Carolina. 86–91 (Note)
Riparian sediments 161–169
Rolla Milton Tryon Jr., 1916–2001: Scientist, Teacher, and Mentor. 92–95 (In Memoriam)
Rosaceae 302–303
Rosen, David J. and Stanley D. Jones. The deletion of *Cyperus hermaphroditus* (Cyperaceae: *Tetragoni*) from the Louisiana flora. 429–432 (Note)
Rosenzweig, Michael S. and Bruce C. Parker. Turion production by *Ruppia maritima* in Chesapeake Bay. 309–311 (Note)
Ruppia maritima 309–311

Salt marsh 280–295
Schizaea pusilla in North Carolina 86–91 (Note)
Schneider, Craig W. 161–169
Scirpus ancistrochaetus (Cyperaceae): First record in Canada. 83–85 (Note)
Scirpus georgianus 205–207
Scribailo, Robin W. and Mitchell S. Alix. New records with ecological notes for rare aquatic vascular plants in Indiana. Part 1. 373–395
Sea lavender 280–295
Searcy, Karen B. 201–204
Seed banks 161–169, 280–295
Seed dispersal 280–295
Seed germination 14–30
Seed size 1–13
Seedling growth 1–13
Seedling recruitment in sea lavender 280–295

Setaria reverchonii subsp. *ramiseta* 304–308
Smith, Marian and John Cawly. Effect of achene morphology and mass on germination and seedling growth of *Boltonia decurrens* (Asteraceae), a threatened floodplain species. 1–13
Somers, Paul 201–204, 219–252
South Carolina 134–150
Species loss 325–349
St. Lawrence River 151–160
Statement of Ownership 116
Stewartia 117–133; distribution map 118; phylogeny 124–128
Studies in neotropical Apocynaceae I: A revision of the genus *Laubertia*. 170–185
Studies in neotropical Apocynaceae II: A review of the genus *Fernaldia*. 186–200
Sustainable harvesting 280–295

Taxonomic revision of the genus *Myriophyllum* (Haloragaceae) in China. 396–421
Taxonomy 31–41, 134–150, 170–185, 186–200, 271–279, 296–298, 396–421
Taylor, Philip D. 280–295
The survival of *Vaucheria* (Vaucheriaceae) propagules in New England riparian sediments after repeated freeze/thaw cycles. 161–169
Theaceae 117–133
Thomas Walter's oaks from the coastal region of South Carolina. 134–150
Threatened species: *Boltonia decurrens* 1–13; *Platanthera leucophaea* 14–30
Tryon, Rolla Milton, Jr. 1916–2001 92–95 (In Memoriam)
Tucker, Gordon C. 83–85
Turion production by *Ruppia maritima* in Chesapeake Bay. 309–311 (Note)

Varieties of *Astragalus pulsiferae* (Leguminosae). 271–279
Vaucheria 161–169
Virginia 309–311

Weakley, Alan S. 86–91
Welsh, Stanley L., Robin Ondricek, and Glenn Clifton. Varieties of *Astragalus pulsiferae* (Leguminosae). 271–279
Wilbur, Robert L. The identity and history of *Myrica caroliniensis* (Myricaceae). 31–41
Wilbur, Robert L. Thomas Walter's oaks from the coastal region of South Carolina. 134–150
Wilder, George J. and Martha R. McCombs. New records of vascular plants for Ohio and Cuyahoga County, Ohio. 350–372
Woody vegetation 219–252
Worcester, Massachusetts 325–349

Yang, Shixiong 117–133

Zebryk, Tad M. Recent plant collections—Massachusetts. 299–301 (New England Note)
Zettler, Lawrence, W. 14–30
Zhen-yu, Li 396–421
Zika, Peter F. *Cotoneaster divaricatus* (Rosaceae) naturalized in Massachusetts. 302–303 (New England Note)